

Busbar - CAPAROC CR 20

1110989

<https://www.phoenixcontact.com/us/products/1110989>



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Busbar for CAPAROC system with 20 slots. For installation on a DIN rail.



Your advantages

- The benchmark that you can customize with lengths that can be adapted to your requirements
- Particularly easy operation for everyone with the simple Plug and Play design
- Exceptionally easy design-in with universal busbars up to 45 A

Commercial Data

| | |
|--------------------------------------|---------------|
| Item number | 1110989 |
| Packing unit | 1 pc |
| Minimum order quantity | 3 pc |
| Sales Key | C34 |
| Product Key | CLA23Z |
| GTIN | 4063151024697 |
| Weight per Piece (including packing) | 58.12 g |
| Weight per Piece (excluding packing) | 49.39 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

Technical Data

Notes

General

| | |
|------|------------------------------------------------------------------------------------------------------------------------------------|
| Note | LABS release – in accordance with test specification VW PV 3. 10.7:2005-0 |
| | When using CAPAROC E1... modules, for continuous shock in accordance with IEC 60068-2-27 the 6 ms / 15g degree of severity applies |

Product properties

| | |
|-----------------|-------------------------|
| Product type | Device circuit breakers |
| Number of slots | 20 |

Insulation characteristics


| | |
|------------------|-----|
| Protection class | III |
| Pollution degree | 2 |

Electrical properties

General

| | |
|---------------------|-------------------------------|
| Rated voltage | 24 V DC |
| Rated current I_N | 45 A DC (Total current input) |

Dimensions

| | |
|---------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Width | 123.8 mm |
| Height | 44 mm |
| Depth | 22.5 mm (incl. DIN rail 7.5 mm) |

Material specifications

| | |
|----------------------------------------|---------------------------------|
| Color | light grey RAL 7035 |
| Material | Copper (Busbar) PC (Housing) |
| Flammability rating according to UL 94 | V-0 |

Environmental and real-life conditions

Ambient conditions

| | |
|-----------------------------------------|-----------------------------------------------------------------------------------------------|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -30 °C ... 65 °C (The temperature range of the power module must be taken into consideration) |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |

Busbar - CAPAROC CR 20



1110989

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| | |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Altitude | ≤ 4000 m (amsl (above mean sea level)) |
| Humidity test | 96 h, 95 % RH, 40 °C |
| Shock (operation) | 30g (11 ms period, half-sine shock pulse, according to IEC 60068-2-27) |
| | 25g (6 ms duration, half-sine shock pulse in accordance with IEC 60068-2-27, continuous shock) |
| | 15g (6 ms duration, half-sine shock pulse in accordance with IEC 60068-2-27, continuous shock. If more than six CAPAROC E1 modules are used in the system.) |
| Vibration (operation) | 5g (10 ... 150 Hz / 10 cycles / axis / X, Y, Z) |

Standards and regulations

| | |
|--------------------------|---------------|
| Standards/specifications | EN 61000-6-2 |
| Standards/specifications | EN 61000-6-3 |
| Standards/specifications | EN 60068-2-78 |
| Standards/specifications | EN 50178 |
| Standards/specifications | EN 60068-2-6 |
| Standards/specifications | EN 60068-2-27 |

Mounting

| | |
|---------------|-----------------|
| Mounting type | DIN rail: 35 mm |
|---------------|-----------------|

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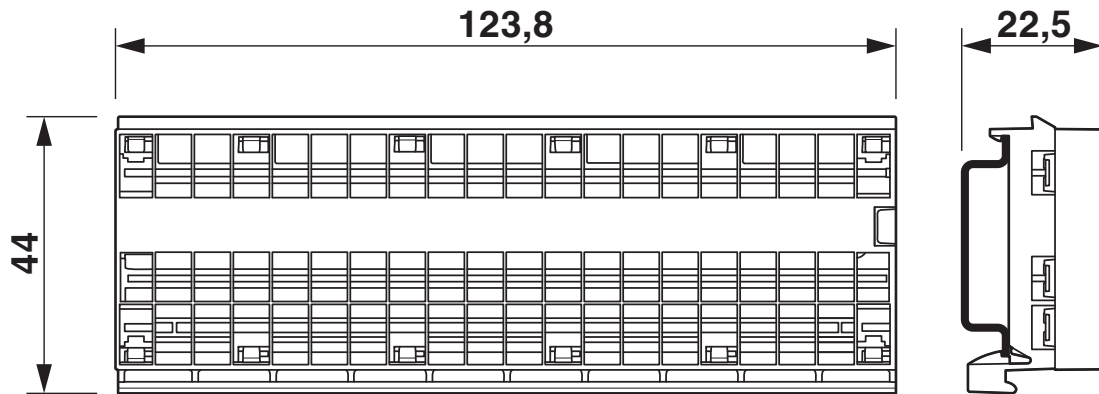
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Drawings

Dimensional drawing



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Approvals



UL Listed

Approval ID: FILE E 123528



cUL Listed

Approval ID: FILE E 123528



cUL Listed

Approval ID: FILE E 483407



UL Listed

Approval ID: FILE E 483407

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Classifications

ECLASS

| | |
|---------------|----------|
| ECLASS-9.0 | 27141116 |
| ECLASS-10.0.1 | 27140401 |
| ECLASS-11.0 | 27140401 |

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC003538 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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Environmental Product Compliance

| | |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

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Accessories

Power module

Power module - CAPAROC PM PN - 1110986

<https://www.phoenixcontact.com/us/products/1110986>



Power module with PROFINET interface for supplying the CAPAROC circuit breaker system with 12 or 24 V DC. Additional system interface for communication with the power supply. For DIN rail installation via the CAPAROC current rails.

Power module

Power module - CAPAROC PM S-R - 1115661

<https://www.phoenixcontact.com/us/products/1115661>



Power module with status output and reset input for supplying the CAPAROC circuit breaker system with 12 or 24 V DC. For DIN rail installation via the CAPAROC current rails.

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Electronic circuit breaker

Electronic circuit breaker - CAPAROC E1 12-24DC/1-4A - 1115415

<https://www.phoenixcontact.com/us/products/1115415>



1-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. Nominal current adjustable from 1 A to 4 A via LED button. For DIN rail installation via the CAPAROC current rails.

Electronic circuit breaker

Electronic circuit breaker - CAPAROC E1 12-24DC/1-10A - 1115649

<https://www.phoenixcontact.com/us/products/1115649>



1-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. Nominal current adjustable from 1 A to 10 A via LED button. For DIN rail installation via the CAPAROC current rails.

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Electronic circuit breaker

Electronic circuit breaker - CAPAROC E1 12-24DC/1A - 1157288

<https://www.phoenixcontact.com/us/products/1157288>



1-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. With fixed nominal current. For DIN rail installation via the CAPAROC current rails.

Electronic circuit breaker

Electronic circuit breaker - CAPAROC E1 12-24DC/2A - 1157290

<https://www.phoenixcontact.com/us/products/1157290>



1-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. With fixed nominal current. For DIN rail installation via the CAPAROC current rails.

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Electronic circuit breaker

Electronic circuit breaker - CAPAROC E1 12-24DC/4A - 1157285

<https://www.phoenixcontact.com/us/products/1157285>



1-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. With fixed nominal current. For DIN rail installation via the CAPAROC current rails.

Electronic circuit breaker

Electronic circuit breaker - CAPAROC E1 12-24DC/6A - 1157286

<https://www.phoenixcontact.com/us/products/1157286>



1-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. With fixed nominal current. For DIN rail installation via the CAPAROC current rails.

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Electronic circuit breaker

Electronic circuit breaker - CAPAROC E1 12-24DC/8A - 1157279

<https://www.phoenixcontact.com/us/products/1157279>



1-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. With fixed nominal current. For DIN rail installation via the CAPAROC current rails.

Electronic circuit breaker

Electronic circuit breaker - CAPAROC E1 12-24DC/10A - 1157284

<https://www.phoenixcontact.com/us/products/1157284>



1-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. With fixed nominal current. For DIN rail installation via the CAPAROC current rails.

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Electronic circuit breaker

Electronic circuit breaker - CAPAROC E2 12-24DC/1-4A - 1115655

<https://www.phoenixcontact.com/us/products/1115655>



2-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. Nominal current adjustable from 1 A to 4 A via step switch. For DIN rail installation via the CAPAROC current rails.

Electronic circuit breaker

Electronic circuit breaker - CAPAROC E2 12-24DC/2-10A - 1110984

<https://www.phoenixcontact.com/us/products/1110984>



2-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. Nominal current adjustable from 2 A to 10 A via step switch. For DIN rail installation via the CAPAROC current rails.

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Electronic circuit breaker

Electronic circuit breaker - CAPAROC E4 12-24DC/1-4A - 1115657

<https://www.phoenixcontact.com/us/products/1115657>



Four-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. Nominal current adjustable from 1 A to 4 A via LED button. For DIN rail installation via the CAPAROC current rails.

Electronic circuit breaker

Electronic circuit breaker - CAPAROC E4 12-24DC/1-10A - 1115658

<https://www.phoenixcontact.com/us/products/1115658>



Four-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. Nominal current adjustable from 1 A to 10 A via LED button. For DIN rail installation via the CAPAROC current rails.

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Potential distributors

Potential distributors - CAPAROC PD 0V - 1110987

<https://www.phoenixcontact.com/us/products/1110987>



Potential distributor with Push-in connections for directly connecting the 0 V return conductor in the CAPAROC system. For DIN rail installation via the CAPAROC current rails.

Busbar

Busbar - CAPAROC CR EXT20 - 1115674

<https://www.phoenixcontact.com/us/products/1115674>



Extension busbar with 20 slots for the CAPAROC system. For installation on a DIN rail.

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Busbar

Busbar - CAPAROC CR EXT8 - 1110990

<https://www.phoenixcontact.com/us/products/1110990>



Extension busbar with 8 slots for CAPAROC system. For installation on a DIN rail.

Busbar

Busbar - CAPAROC CR EXT4 - 1110991

<https://www.phoenixcontact.com/us/products/1110991>



Extension busbar with 4 slots for the CAPAROC system. For installation on a DIN rail.

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Metal part

Metal part - CAPAROC CR CON - 1270955

<https://www.phoenixcontact.com/us/products/1270955>



Metal extension rails from connecting CAPAROC initial busbars.

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